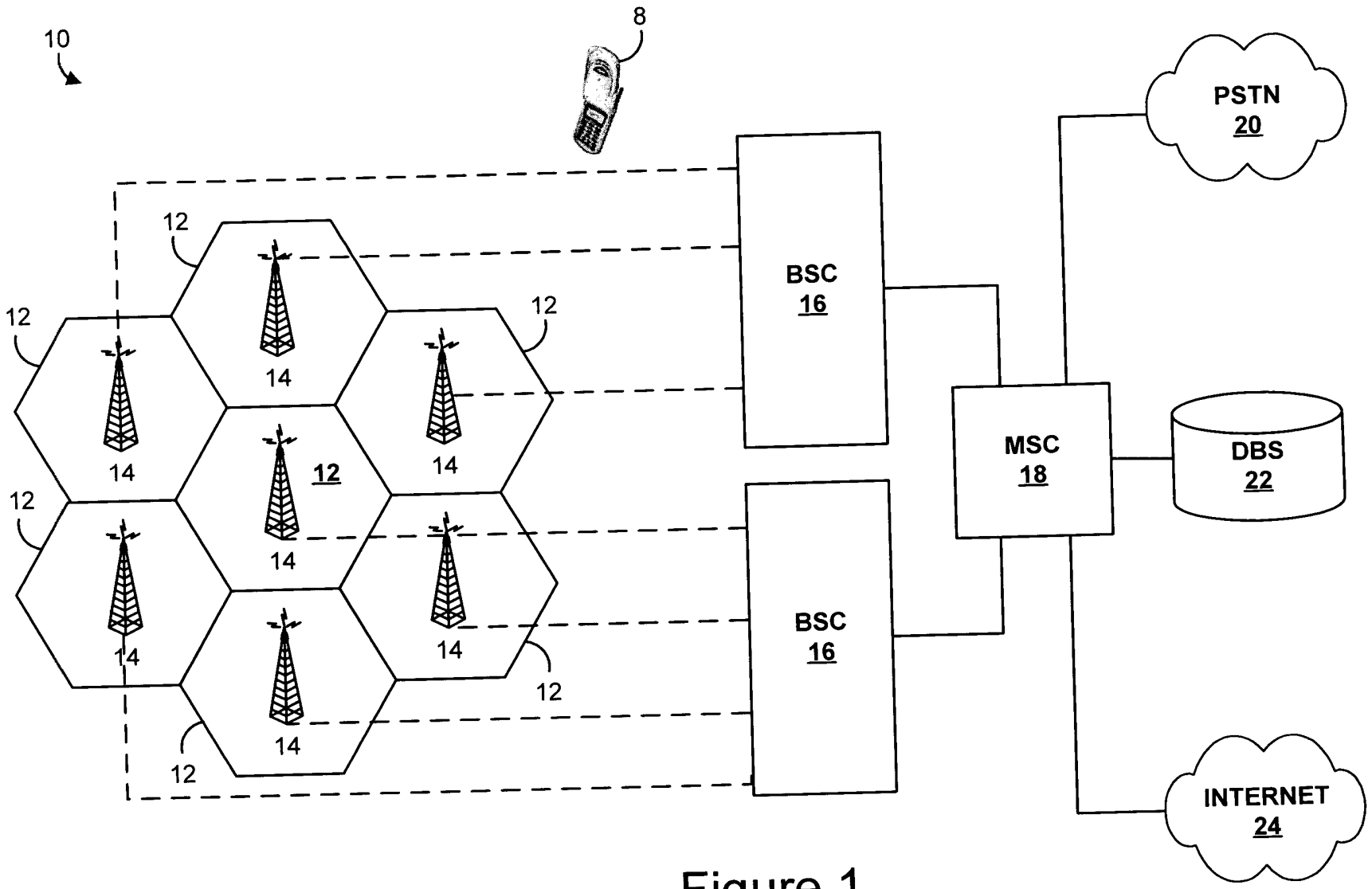

Figure 1

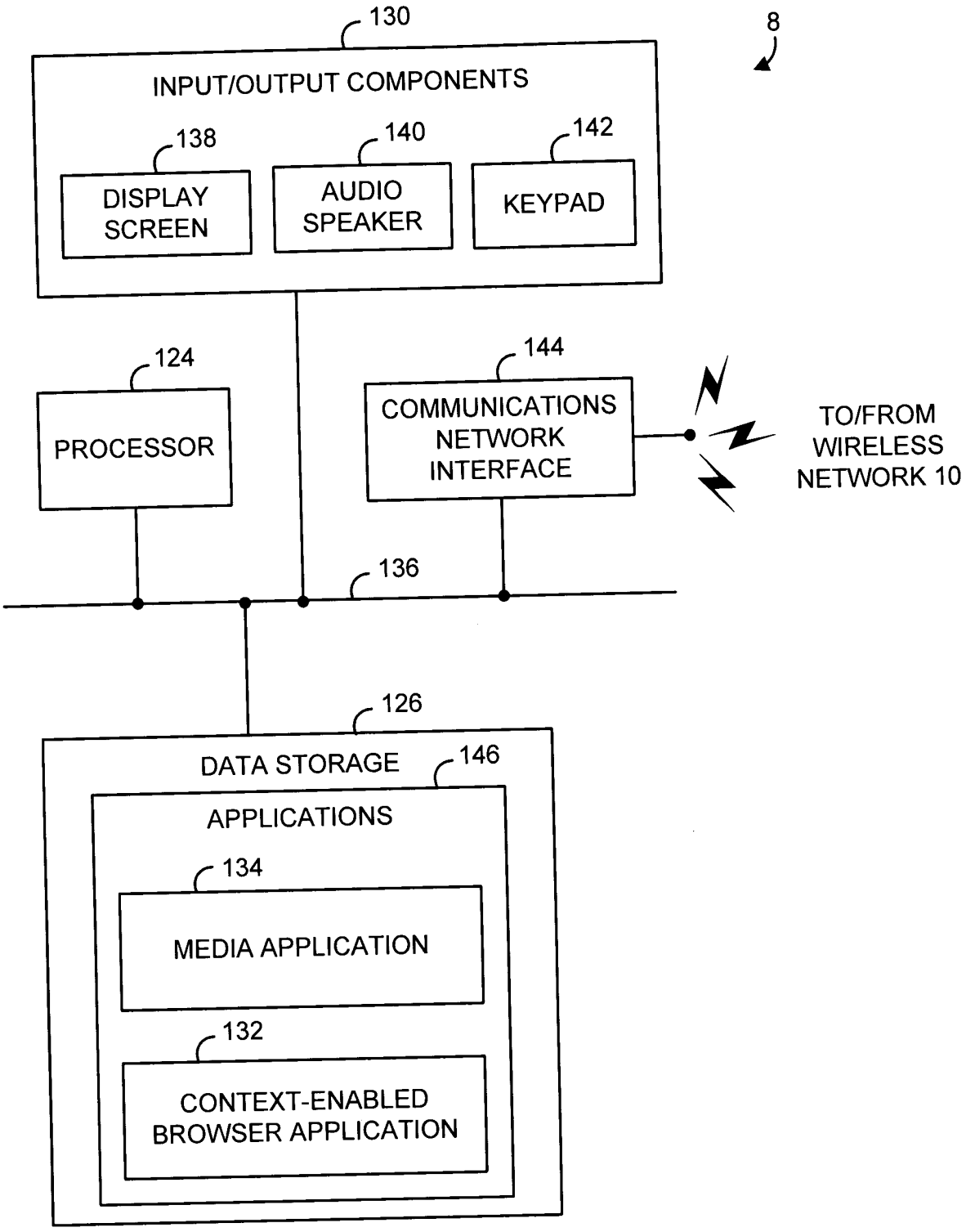
130
8
INPUT/OUTPUT COMPONENTS
138
140
142
DISPLAY SCREEN
AUDIO SPEAKER
KEYPAD
124
144
PROCESSOR
COMMUNICATIONS NETWORK INTERFACE
TO/FROM WIRELESS NETWORK 10
136
126
DATA STORAGE
146
APPLICATIONS
134
MEDIA APPLICATION
132
CONTEXT-ENABLED BROWSER APPLICATION

Figure 2

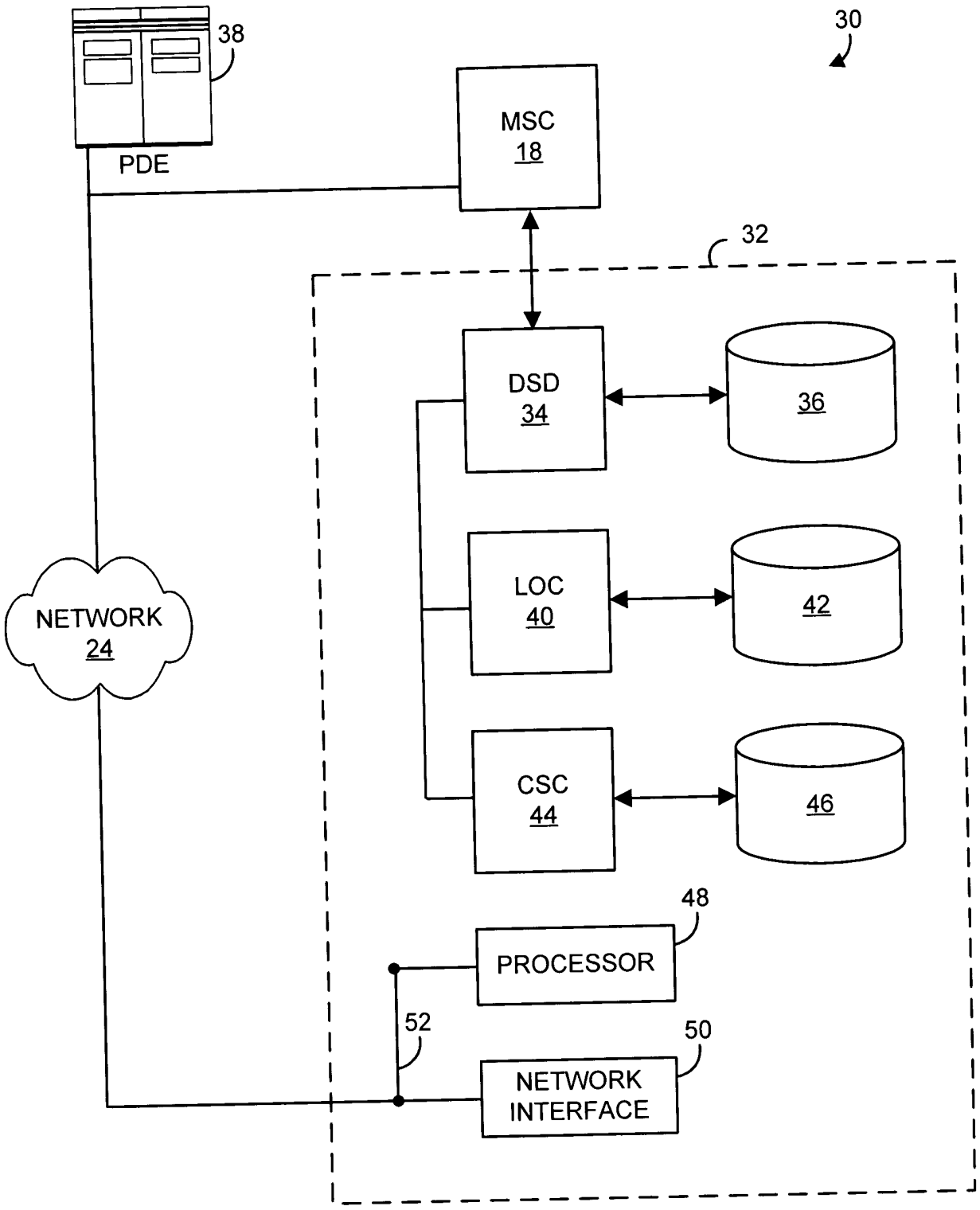
30
38
PDE
MSC
18
32
DSD
34
36
LOC
40
42
CSC
44
46
NETWORK
24
48
PROCESSOR
52
50
NETWORK
INTERFACE

Figure 3

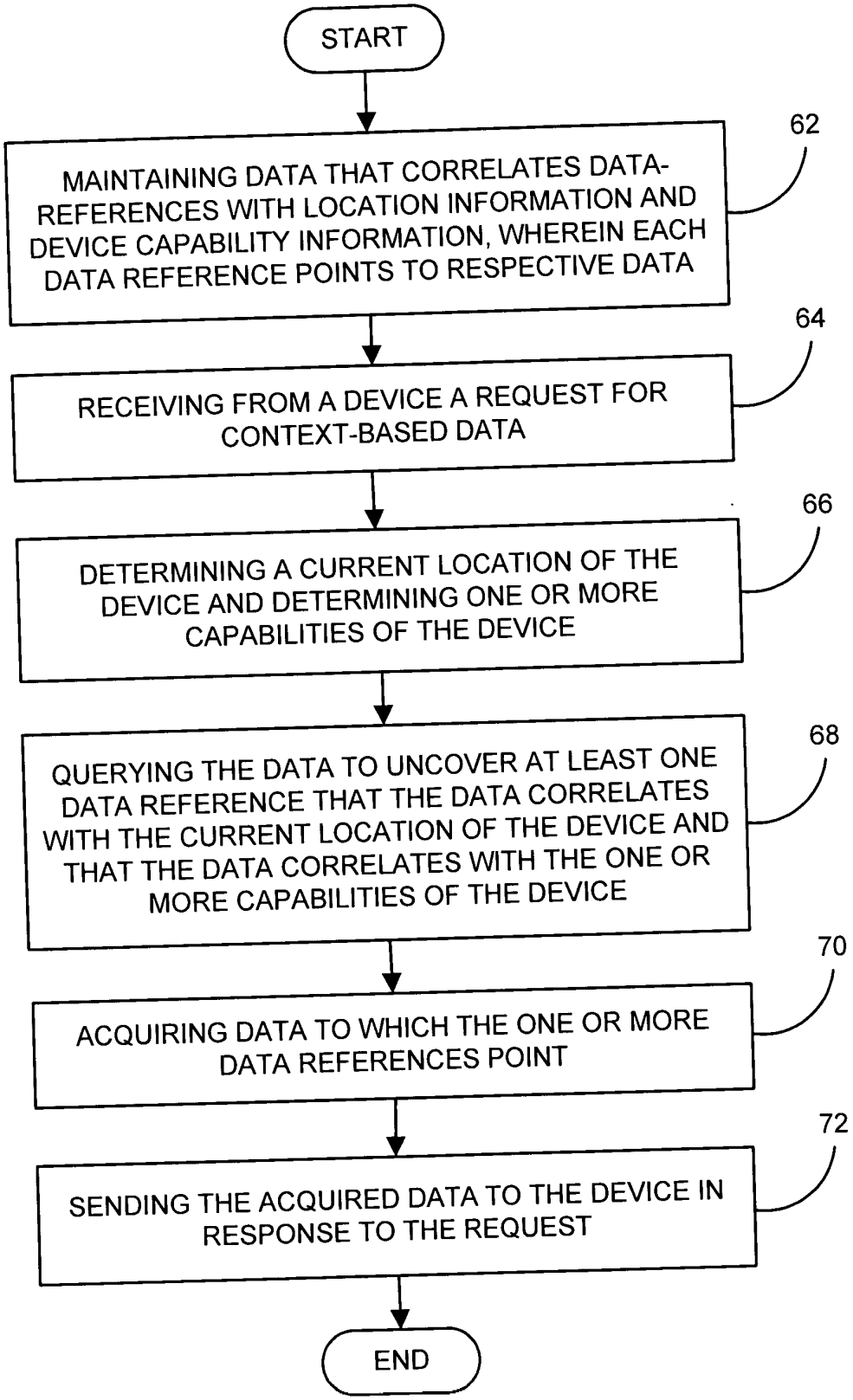
START
MAINTAINING DATA THAT CORRELATES DATA-REFERENCES WITH LOCATION INFORMATION AND DEVICE CAPABILITY INFORMATION, WHEREIN EACH DATA REFERENCE POINTS TO RESPECTIVE DATA
62
RECEIVING FROM A DEVICE A REQUEST FOR CONTEXT-BASED DATA
64
DETERMINING A CURRENT LOCATION OF THE DEVICE AND DETERMINING ONE OR MORE CAPABILITIES OF THE DEVICE
66
QUERYING THE DATA TO UNCOVER AT LEAST ONE DATA REFERENCE THAT THE DATA CORRELATES WITH THE CURRENT LOCATION OF THE DEVICE AND THAT THE DATA CORRELATES WITH THE ONE OR MORE CAPABILITIES OF THE DEVICE
68
ACQUIRING DATA TO WHICH THE ONE OR MORE DATA REFERENCES POINT
70
SENDING THE ACQUIRED DATA TO THE DEVICE IN RESPONSE TO THE REQUEST
72
END

Figure 4

Data Reference	Data Size	Data Provider
www.provider1.com/picture1.gif	1MB	provider1
www.provider1.com/picture2.gif	2 MB	provider1
www.provider2.com/picture1.gif	1MB	provider2
www.provider2.com/picture2.gif	2MB	provider2

Figure 5

Device Requirement
must have 16 MB memory
must have color screen

Figure 6

Device Location
(x+1)^2 + (y+1)^2 + (z+1)^2 = 1
(x+1)^2 + (y+1)^2 + (z+1)^2 = 4

Figure 7

Device Location	Data Reference	Data Size	Data Provider	Device Requirement
(x+1)^2 + (y+1)^2 + (z+1)^2 = 1	www.provider1.com/picture1.gif	1MB	provider1	must have 16 MB memory
(x+1)^2 + (y+1)^2 + (z+1)^2 = 1	www.provider2.com/picture1.gif	1MB	provider2	must have color screen
(x+1)^2 + (y+1)^2 + (z+1)^2 = 1	www.provider2.com/picture2.gif	2MB	provider2	must have 16 MB memory
(x+1)^2 + (y+1)^2 + (z+1)^2 = 1	www.provider2.com/picture1.gif	1MB	provider2	must have 16 MB memory
(x+1)^2 + (y+1)^2 + (z+1)^2 = 1	www.provider2.com/picture2.gif	2MB	provider2	must have color screen
(x+1)^2 + (y+1)^2 + (z+1)^2 = 1	www.provider1.com/picture1.gif	1MB	provider1	must have color screen
(x+1)^2 + (y+1)^2 + (z+1)^2 = 1	www.provider1.com/picture2.gif	2 MB	provider1	must have 16 MB memory
(x+1)^2 + (y+1)^2 + (z+1)^2 = 1	www.provider1.com/picture2.gif	2 MB	provider1	must have color screen
(x+1)^2 + (y+1)^2 + (z+1)^2 = 4	www.provider1.com/picture1.gif	1MB	provider1	must have 16 MB memory
(x+1)^2 + (y+1)^2 + (z+1)^2 = 4	www.provider1.com/picture2.gif	2 MB	provider1	must have color screen
(x+1)^2 + (y+1)^2 + (z+1)^2 = 4	www.provider1.com/picture1.gif	1MB	provider1	must have color screen
(x+1)^2 + (y+1)^2 + (z+1)^2 = 4	www.provider2.com/picture2.gif	2MB	provider2	must have 16 MB memory
(x+1)^2 + (y+1)^2 + (z+1)^2 = 4	www.provider1.com/picture2.gif	2 MB	provider1	must have 16 MB memory
(x+1)^2 + (y+1)^2 + (z+1)^2 = 4	www.provider2.com/picture1.gif	1MB	provider2	must have color screen
(x+1)^2 + (y+1)^2 + (z+1)^2 = 4	www.provider2.com/picture1.gif	1MB	provider2	must have 16 MB memory
(x+1)^2 + (y+1)^2 + (z+1)^2 = 4	www.provider2.com/picture2.gif	2MB	provider2	must have color screen

Figure 8

Location	Data Reference	Data Size	Data Provider	Device Requirement
(x+1)^2 + (y+1)^2 + (z+1)^2 = 1	www.provider1.com/picture1.gif	1MB	provider1	must have color screen
(x+1)^2 + (y+1)^2 + (z+1)^2 = 1	www.provider1.com/picture1.gif	1MB	provider1	must have 16 MB memory
(x+1)^2 + (y+1)^2 + (z+1)^2 = 1	www.provider1.com/picture2.gif	2 MB	provider1	must have color screen
(x+1)^2 + (y+1)^2 + (z+1)^2 = 1	www.provider1.com/picture2.gif	2 MB	provider1	must have 16 MB memory

Figure 9